

Abstract

A method of automating the process of creating a remote mirror of a relational database management system (RDBMS) includes discovering storage configuration and database layout at a primary database, relaying this information to a backup storage subsystem, monitoring that database and storage systems for changes and conveying storage and/or database changes to the backup storage subsystem. A self-configuring backup mirroring system for dynamic relational configuration includes a source system monitoring one or more storage servers and a computer system running a RDBMS. A backup system provides a disaster recovery environment for the source system wherein backup storage components duplicate the source storage components. The backup system may be used to reconstruct the source storage system if necessary. Finally, software agents run at both the source and backup systems.